

I claim:

1. In a helmet for motorcycle riders and like applications, a circuit comprising:
  - light emitting means disposed on a rearward portion of the helmet;
  - switching means responsive to deceleration operably coupled to the light emitting means; and
  - a power source operably coupled with the light emitting means and the switching means.
2. A circuit according to claim 1 wherein the switching means further comprises a circuit adapted for sensing deceleration.
3. A circuit according to claim 1 wherein the switching means further comprises at least one accelerometer adapted to sense deceleration.
4. A circuit according to claim 1 wherein the switching means further comprises at least one primary axis accelerometer and at least one reference axis accelerometer.
5. A circuit according to claim 1 wherein the power source further comprises a battery.
6. A circuit according to claim 1 wherein the power source further comprises a photovoltaic cell.
7. A circuit according to claim 1 further comprising light transmitting means extending through the helmet from the light emitting means to a position at the periphery of a forward portion of the helmet.

8. A circuit according to claim 1 wherein the light emitting means further comprises a plurality of light emitting diodes.
9. A circuit comprising:
  - a sensor portion adapted for sensing deceleration;
  - a light emitter portion for emitting light
  - a logic portion operably coupling the sensor portion and the light emitting portion for switching the light emitting portion based upon selected input from the sensor portion.
10. A circuit according to claim 9 wherein the circuit is affixed to headwear.
11. A circuit according to claim 9 wherein the circuit is affixed to a motorcycle helmet.
12. A circuit according to claim 9 wherein the circuit is affixed to a bicycle helmet.
13. A circuit according to claim 9 wherein the sensor portion is responsive to deceleration exceeding about 0.005 g.
14. A circuit according to claim 9 wherein the sensor portion further comprises at least one accelerometer adapted to sense deceleration.
15. A circuit according to claim 9 wherein the sensor portion further comprises at least one primary axis accelerometer and at least one reference axis accelerometer.

16. A motorcycle helmet safety light system comprising:
  - a motorcycle helmet further comprising;
  - a light circuit responsive to deceleration mounted on a rearward portion of the helmet; and
  - a self-contained power source affixed to the helmet and operably coupled to the light circuit.
17. A motorcycle helmet safety light system according to claim 16 further comprising means for recharging the self-contained power source.
18. A motorcycle helmet safety light system according to claim 16 further comprising photovoltaic means for recharging the self-contained power source.
19. A motorcycle helmet safety light system according to claim 16 wherein the light circuit further comprises at least one accelerometer.
20. A motorcycle helmet safety light system according to claim 16 wherein the light circuit further comprises at least one primary axis accelerometer and at least one reference axis accelerometer.